

Abstract of the Disclosure:

The transmitting and receiving station generates a interrogation code signal which is identical for all of the transponders. All of the transponders that receive the signal  
5 answer simultaneously at the same carrier frequency. In order to avoid signal collisions, the transponders are synchronized before and/or during the transmission of the response signals.  
As an alternative, each transponder is assigned a dedicated  
subcarrier frequency in addition to the main carrier  
10 frequency, which is the same for all of the transponders.

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WHS:kc - 99p2011F//6/12/2000